

Title (en)
COMMUNICATION SYSTEM FOR RADIO CONTROLLED TOY VEHICLE

Title (de)
KOMMUNIKATIONSSYSTEM FÜR FUNKGESTEUERTES SPIELFAHRZEUG

Title (fr)
SYSTEME DE COMMUNICATION DESTINE A UN VEHICULE-JOUET RADIO-TELECOMMANDE

Publication
EP 1357986 A1 20031105 (EN)

Application
EP 02705881 A 20020122

Priority
• US 0201699 W 20020122
• US 26724701 P 20010208

Abstract (en)
[origin: US2002106967A1] A communication scheme is employed for transmitting control signals from a remote control to a toy vehicle. The remote control includes control switches, an encoder and a transmitter and the toy vehicle includes a receiver, a decoder and actuators for controlling the operation of the toy vehicle in accordance with received control signals. The encoder generates a continuous stream of control signal packets with each of the packets including a predetermined number of biphase encoded bits. Each biphase encoded bit is of the same predetermined width with a 50% duty cycle, including two transmit elements. For one binary state, both of the transmit elements are the same and for the other binary state both of the transmit elements are opposite. Each packet includes a first predetermined number of flag bits, a second predetermined number of data bits and at least one checksum bit.

IPC 1-7
A63H 30/00

IPC 8 full level
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CPC (source: EP KR US)
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Designated contracting state (EPC)
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US 2002106967 A1 20020808; **US 6848968 B2 20050201**; CA 2428695 A1 20020815; CA 2428695 C 20100413; CN 100409266 C 20080806; CN 1527734 A 20040908; EP 1357986 A1 20031105; EP 1357986 A4 20080507; HK 1066496 A1 20050324; KR 100861830 B1 20081007; KR 20030074807 A 20030919; MX PA03006981 A 20031118; MY 135158 A 20080229; TW 544333 B 20030801; WO 02062443 A1 20020815

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US 4637402 A 20020114; CA 2428695 A 20020122; CN 02803406 A 20020122; EP 02705881 A 20020122; HK 04109409 A 20041129; KR 20037010474 A 20030808; MX PA03006981 A 20020122; MY PI20020407 A 20020206; TW 91101164 A 20020124; US 0201699 W 20020122